

**50566, A NOVEL HUMAN GLYOXALASE II RELATED FACTOR AND USES
THEREOF**

5 Abstract of the Disclosure

The invention provides isolated nucleic acids molecules, designated G2RF nucleic acid molecules, which encode novel human glycolase molecules. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing G2RF nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a G2RF gene has been introduced or disrupted. The invention still further provides isolated G2RF polypeptides, fusion polypeptides, antigenic peptides and anti-G2RF antibodies. Diagnostic methods utilizing compositions of the invention are also provided.